M.R.O. 1—77,006—8-6-37.

(1) Number of pages 18

(2) Date of repair 20-11-42

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 1333-124 Press
~~Mis.~~
337-338

Dated 16-52 1865.

Not to be folded or roughly handled

No. 337. Read the following Proceedings of the Madras Government in the Military Department :—

Communicating the observations of His Excellency the Commander-in-Chief on certain Standard Plans of Military Buildings forwarded by the Government of India. } (Here enter 21st April 1865, No. 1,461.)

No. 338. ORDER THEREON, 16th May 1865, No. 1,333.

MILITARY WORKS, No. 29.

Vide G. O. No. 2,844, dated 30th September 1864.

1. In August last, plans of 13 Military buildings were received from the Government of India, with an intimation that such of them as did not require modification should be adopted as Standards.

The Government have since been in communication on the subject with the Commander-in-Chief, and as they concur with His Excellency in opinion that the six plans marginally* noted are suitable for this Presidency, copies thereof will be circulated to the Superintending Engineers for registry in their respective Offices as Standard designs.

* 1. Skittle shed for all Arms.
2. Dry Store-room.
3. Blacksmith's forge and Shoeing shed for a Battery of Artillery.
4. Collar-maker's or Carpenter's shop and Harness-room for Artillery.
5. Horse Terraces.
6. Magazine for Infantry.

2. The accompanying plan of Bowling Alley, received from the Government of India with their Circular No. 11 of the 11th February 1865, is also circulated for guidance in converting one of the authorized Skittle Alleys into an Alley fitted for the game of American Bowls.

3. The Government of India will be addressed regarding the other plans of Military buildings above alluded to.

Ordered that the following letter be sent :—

(Here enter No. 1,334, dated 16th May 1865.)

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

To the Military Department,
,, Superintending Engineers, } with 7 Plans.

Exd. S. T. Augustin.

PUBLIC WORKS DEPARTMENT.
FORT SAINT GEORGE,
16*th May* 1865.

No. 339. No. 1,334.

From

COLONEL C. A. ORR, R. E.,
Secretary to the Government of Fort Saint George, P. W. D.,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA, P. W. D.

SIR,

MILITARY WORKS, No. 30.

1. With reference to Colonel Strachey's letter No. 579M-3,859, dated 17th August 1864, enclosing Standard plans of 13 Military buildings, and inviting the suggestions of this Government as to any modifications that may be considered desirable for their adaptation to local circumstances, I am directed to forward herewith a statement containing the remarks of His Excellency the Commander-in-Chief on each of the plans in question.

1. Skittle shed for all Arms.
2. Dry Store-rooms.
3. Blacksmith's forge and Shoeing shed for a Battery of Artillery.
4. Collar-maker's or Carpenter's shop and Harness-room for Artillery.
5. Horse Terraces.
6. Magazine for Infantry.

2. The six plans for the buildings noted in the margin being considered suitable for this Presidency, orders have been issued in accordance with paragraph 2 of the letter above quoted for their adoption as Standards.

3. Similar orders have been issued in connection with the plan of Bowling Alley, which accompanied the Circular from the Government of India No. 11, dated 11th February 1865.

4. As respects the other plans forwarded with Colonel Strachey's letter under reply, I am to state that this Government are of opinion that the modifications recommended by the Commander-in-Chief are desirable.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

Since been in use

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Proceedings of the Madras Government, Public Works Department.

Referring, with remarks, letter from Government of India, Public Works Department, forwarding Standard Plans of 13 Military Buildings for European Troops, for any modification considered desirable for their adaptation to local circumstances. } Here enter 30th Sept. 1864, No. 2844.

Referred to the Commander-in-Chief for His Excellency's observations.
5th October 1864.

From the Quarter Master General, Fort Saint George, 31st March 1865, No. 3886; to the Secretary to Government, Military Department.

I have the honor, by desire of His Excellency the Commander-in-Chief, to return the Plans referred for His Excellency's observations on the 5th October 1864, accompanied by the Enclosed List of the Plans in which the Commander-in-Chief's remarks are embodied.

2. The cause of the delay that has occurred in replying to this reference has already been explained to Government.

Order of Government, No. 544, dated 6th February 1865.

[*Statement*

REMARKS on the suitability of Plans under reference in Proceedings of Government, Public Works Department, No. 2844 of the 30th September 1864

	Date.	Signed by	Remarks.
1 Quarter Guard Cells for a Regiment of European Regiment.	7th April 1855.....	Lieutenant Colonel W. E. Baker.	Particularly *adapted* to hot Stations, but bath-room accommodation is wanted.
1 Block of Standard Barrack Cells.	20th April 1852.....	Lieutenant Colonel A. Beacher, Quarter Master General of the Army.	This Plan is also suitable, but the Bath-room accommodation is limited, and the arrangement of a separate building for Privy and Latrine (as in the former Plan) is better.
2 Skittle Shed for all Arms.....	8th March 1858,.....	Captain H. Yule.....	} Suitable.
2 Do. do.	Do.	Do.	
3 Double and single Fives Court...	May 1853.....	Captain C. H. Dickens	The front walls of all Fives Court should be reduced to a maximum, height of twenty-five feet, and the maximum length of floor be confined to fifty feet ; every foot in excess of the above maxima is useless and entails unnecessary expense.
3 Racket Court with a Fives Court adjoining.	8th March 1859.....	Colonel Faber, Chief Engineer...	The Plan of a Racket Court, with a Fives Court adjoining is very faulty. 1st. The entrance door to the Court should be in the centre of the back wall opening outward, under the Gallery, and not in the side wall where it completely spoils the play, and renders the same very uncertain and unfair, nearly all Indian Courts have this grave defect. 2nd. The interior proportions of the Court are bad, the width of a Racket Court should under no circumstances be more than half its length, and 70 feet is long enough for any Court ; the centre of the side walls is a little low; eighteen feet would be much better than fifteen, and the serving line is too far from the front wall. These observations are based upon the proportions of the Racket Court at Princes Club, London, acknowledged to be the best in the world. The front walls of all Racket Courts in India should be faced with smooth stone, and it is better to have the back wall also of the same material. 3rd. The dimensions of the Fives Court in this Plan are likewise faulty, they are so wide as to be quite useless for the purpose for which they are intended, much unnecessary material is wasted in the side walls, the highest parts of which need not exceed 25 feet sloping to 13 feet or less, or width of thirty feet is ample for any Fives Court.

4 Dry Store-room.....	31st August 1863...	Lieutenant Colonel Beacher...	} Suitable.
4 Do. do.	Do.	Do.	
5 Medical Subordinates' Quarters...	.....	Do.	Supposing the Medical Subordinates to be married men, which they usually are, this Plan is objectionable ; and the Sketch provides no *Bath-room*, Privy or Cook-room accommodation detached buildings of of this nature are decidedly preferable. Requires ridge ventilation.
5 Assistant Apothecaries' Quarters with out-offices.	November 1858...	Lieutenant Colonel Lawford...	
6 Dead-house with Plan of Hospital to show position.	May 1853... ...	Lieutenant Colonel Beadle.....	Well adapted for the purpose, but the upper ventilators should be made as large as possible to throw as much light into the centre room as possible.
7 Staff Serjeants' Quarters, Class A.....	.....	Colonels H. Goodwyn and J. P. Beadle.	Suitable if a detached building be considered advisable for each Serjeant, but ridge ventilation might be added with advantage.
7 Staff Serjeants' Quarters for a Battery.	22nd August 1848... ...	Lieutenant Colonel A. Lawe, Chief Engineer.	Do. do. do.
8 Blacksmiths' Forge and Shoeing Shed for a Battery of Artillery.	March 1861.....	Lieutenant Colonel Goodwyn...	} Suitable.
8 Artificers'. Shed for a Troop of Horse Brigade.	October 1863...	Colonel Orr, Secretary to Government, Department Public Works.	
9 Collar-makers or Carpenters' Shop and Harness-room for Artillery.	2nd April 1864.....	Colonel Strachey.....	} Suitable.
9 Do. do.	Do.	Do.	
10 Horse Terraces.....	.....	Captain C. H. Dickens	Approved
11 Regimental Store-rooms for all Arms.	6th April 1864.....	Colonel Strachey.....	These Plans give more accommodation than is required by Regiments in this side of India. The Camp Equipage is not in charge of Regiments. Two rooms each 35 × 22 exclusive of the Tailor's Shop and Office would be sufficient for all Arms. A verandah all round the Building. The Plan of having in one block the Regimental Staff Serjeants' Quarters, at the Flanks, and the Store-rooms, as above, in the middle, is however preferred.
11 Do. do. ...	Do.	Do.	

n Proceedings of Government, &c.—(Continued.)

Remarks on the suitability of Plans under reference in Proce

	Date.	Signed by	Remarks.
12 Saddle Rooms, Cavalry	15th July 1864	Colonel Shachey	When Stables are built for the horses, the Saddle rooms should be near the Stables and separate for each Troop. But the following objections may be made to the Plan submitted. There is only one door for each enclosed verandah and two for each Saddle-room, this must necessarily lead to much jostling and confusion, especially in the dark. The Saddle Racks are represented to have each three bars and are apparently designed to hold three Saddles upon each bar which will not give sufficient accommodation, the top of the top bar being eight feet from the ground, it is needless to comment upon the probable result of the endeavours of a Dragoon in complete marching order, to get his Saddle down, or put it up. It is highly objectionable for many reasons that Saddles in constant use should be so closely packed. There is no adequate provision for Bridles and Head Stalls; there are only thirty-two pegs in the verandah for each Troop, if it is proposed to separate the Bridles from the Saddles, the delay and confusion in turning out will be more than doubled. Judging from the Plan both the Saddle and Store rooms would be inconveniently dark.
12 Saddle and Store Rooms for two Troops of Cavalry	Do.	Do.	
13 Magazine for Infantry	26th July 1862	Colonel Strachey	Very suitable by reason of the ventilation.
3 Do. do.		Lieutenant Colonel Lawe, Chief Engineer.	Not suitable for a want of ventilation.

(Signed) F. H. SCOTT, Lieut.-Colonel,
Quarter Master General.

H. M. Genl.'s Office, Fort St. George,
31*st March* 1865.

Circular from the Secretary to the Government of India, Public Works Department, Fort William, 11th February 1865, No. 11; to the Secretary to Government of Madras, Public Works Department.

Military Works.

The Government of India in the Military Department, on the Report of a Special Committee which assembled in August last at Simla, to consider the subject of Soldiers' recreations sanctioned amongst other things, *(vide* Military Department, No. 824, dated 25th November 1864):—

1*st.*—An alteration of the existing plan of Fives Court.

2*nd.*—The conversion of one of the authorized Skittle Alleys into an Alley fitted for the game of American Bowls.

2. As regards the plan of Fives Court, the alteration which is sanctioned, consists in the addition of a back wall, with a small door in the centre, to one of the Courts of each Wing Double Court, to enable the men to play at Bat Fives, or Rackets. The back wall should be 10 feet high, and the side walls should be raised a little as per shaded part in the diagram on the margin.

3. The fittings necessary to admit of the game of American Bowls being played in one of the Skittle Alleys, are shown in the accompanying Sketch, and may be provided whenever applied for.

Enclosure to Public Works Circular No. 11 *of* 1865.

From the Secretary to the Government of India, Military Department, 25th November 1864, No. 824; to the Quarter Master General, of the Army.

Having laid before Government your letter, No. 766, dated 18th August last, and its enclosure, I am directed to acquaint you for the information of His Excellency the Commander-in-Chief, that the Right Honorable the Governor General in Council approves of the recommendations of the Committee which assembled at Simla on the 15th August, regarding the provision of recreation-rooms for the British Soldiers in India, with the slight modifications to be presently mentioned, which it is believed are in accordance with His Excellency's views.

2. The Committee recommend for a British Regiment—

I.—A double Fives Court for each wing on an improved plan, one Court in each wing to have a backwall to admit of its being used for racket playing.

II.—A double skittle alley in each wing, one of each to be of sufficient length to allow of the American bowl game.

III.—A gymnasium according to the English standard plan as far as practicable.

IV.—A swimming bath for each wing for men, raised above the level of the ground to admit of complete natural drainage.

V.—The same for each wing for the men's families.

VI.—Accommodation for workshops as agreed to by the Rawul Pindee Committee, dated 14th March 1864.

VII.—A reading-room with presses for books, a recreation-room, and a Regimental refreshment shop, all under the same roof, but the latter at one end separated entirely from the rest of the building by a partition wall, and having a separate entrance.

VIII.—A Station Theatre.

IX.—A cricket ground to be railed in and turfed by Government.

X.—A Serjeants' mess with reading and recreation-rooms in a central position convenient to the Staff Serjents' quarters, or, in the case of Batteries of Artillery or other small bodies of men, under the same roof as the Staff Serjeants' quarters.

XI.—A musketry instruction room.

XII.—A women's day-room for each wing.

3. The Governor General in Council heartily recognizes the expediency of providing the above with the exception of the musketry instruction room, and *for the present* the theatre. Musketry instruction can, it is believed, be well imparted either in the gymnasium or reading-room as may be found more convenient ; and, without questioning the value of a theatre, both for theatrical performances and for lectures, His Excellency in Council considers that they can only be provided when provision has been made for the other and more necessary works which the troops require.

4. It is also to be understood that the mode in which the accommodation above sanctioned will be provided must be determined by the Public Works Department in communication with the Quarter Master General's Department, with reference to the style and size of barracks which it may be finally determined to adopt in different parts of the country ; the principle being borne in mind that it is desirable to avoid the multiplication of separate buildings, and to bring what is required as much as possible under the roofs of the men's barracks. The same remark applies to the other opinions expressed by the Committee respecting the orderly-room and quarter-guard and canteen.

5. The question of books for the Soldiers' libraries will be carefully considered as a separate matter.

No. 825.

Endorsed by Military Department.

Copy of the foregoing forwarded to the Secretary to the Government of India, Public Works Department, for information. The Report of the Committee assembled at Rawul Pindee was sent to that Department with Office Memorandum, No. 177, dated 15th August 1864.

Referred to the Military Department, in continuation of Proceedings, No. 2844, dated 30th September 1864.

2. A copy of the Plan of Racket and Fives Court adopted as a Standard in this Presidency, is enclosed.

23*rd March* 1865.

(Signed) C. A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.

Referred for the observations of His Excellency the Commander-in-Chief.

27*th March* 1865.

From the Quarter Master General, Fort Saint George, 5th April 1865, No. 4057; to the Secretary to Government, Military Department.

In reference to Circular, No. 11, Department Public Works, dated 11th February 1865, from the Secretary to the Government of India, forwarded for the observations of the Commander-in-Chief on the 27th ultimo, I have the honor, by order, to state that His Excellency approves of the proposed alteration of the existing plan of Fives Court. He begs to refer to his remarks on Fives and Racket Courts in the Tabular Statement which accompanied my letter, No. 3886, dated 31st ultimo.

2. The conversion of one of the authorized Skittle Alleys into an Alley fitted for the game of American Bowls, is approved of by His Excellency.

ORDER, No. 1461, 21st April 1865.

Communicated to the Public Works Department, with reference to the undermentioned Proceedings of Government:—

Public Works Department, No. 2844, dated 30th September 1864.
Military Department, No. 327, dated 25th January 1865,
" " 544, dated 6th February 1865.

(True Extract.)

Under Secretary to Government.

To the Public Works Department, with 27 Plans.
" Quarter Master General.
Exd W. Regel.

Public Works Dept
11
No 1383
Proceedings of the Madras Government
Under date the 16th May 1865
Read the following

Proceedings of the Madras Govt in the Military Dept
Communicating the observations of His Excellency the Commander in Chief on certain standard Plans of military Buildings forwarded by the Government of India.

Received 21st April 1865
No 1461

with G. O. No 2844 d/30 Sept 1864

In August last Plans of 13 Military Buildings were received from the Government of India with an intimation that such of them as did not require modification should be adopted as Standards. The Government have since been in com=munication

on the subject
with the Commander in
Chief, and as they
concur with His
Excellency in opinion
that the 6 Plans lastly
finally noted are
suitable for this Presi-
dency copies thereof
will be circulated
to the Superintending
Engineers for regulating
in their respective
Offices as Standard
designs -

The accompanying
Plan of Bowling Alley
received from the Gov-
of India with their
Circular No 11 of the
11th February 1865, is
also circulated for
guidance in con-
structing one of them
in cases -

1. Skittle Shed for all Arms
2. Dry Store room -
3 - Blacksmiths Forge and
Shoeing Shed for a Battery
of Artillery -
4. Fitters Workers or Carpenters
Shop and Harness Room for
Artillery -
5. Horse Terraces -
6. Magazine for Infantry.

Authorized Skittle Alleys
into an Alley fitted
for the game of
American Bowls -

The Govt of India
will be addressed
regarding the other
Plans of Military
Buildings above alluded
to -

I direct that the
following letter be sent
No 1334
by the Secretary to the
Govt of India
Sir
with reference to
Colonel Strachey's letter
No 579 dated 17th
August 1864 inclosing
Standard Plans of
13 Military buildings
and inviting the Sug-
gestions of this Government

by the Military Dept Skittle Shed
Supt Engineer 116

Dest 17 May

Plans Dest 18th June

as to any modifications that may be considered desirable for their adaptation to local circumstances, I am directed to forward herewith a Statement containing the remarks of His Excellency the Commander in Chief on each of the Plans in question

The 6 Plans for the buildings noted in the margin being considered suitable for this Presidency orders have been issued in accordance with Para 2 of the letter above quoted for their adoption as Standards

Similar orders have

1 – Skittle Sheds for all Corps
2 – Dry Store rooms –
3 – Blacksmiths forge and Shoeing Shed for a battery of Artillery –
4 – Cells Messes & Carpenters Shop and Harness rooms for Artillery
5 – Horse Terraces
6 – Magazine for Infantry

been issued in connection with the Plans of Bowling Alley which accompanied the Circular from the Govt of India No 11 dated 11 Feby 1865

As respects the other Plans forwarded with Colonel Stratton's letter under reply I am to state that His Excellency the Governor in Council is of opinion that the modifications recommended by the Commander in Chief are desirable –

Fort St George
16th May 1865

2

Secy to Govt
17th May

P. W. 1865 Department

Nos. of Govt. for May

Nos. 1333/1334

Nos. of the Madras Govt.

Dy 16 May 1865.

Nos. Military Depts.

Communicating the observations of His Excellency the Commander in Chief on certain Standard Plans of Military Buildings forwarded by the Govt of India - with orders thereon.

Nos. 337 to 339.

C. 8 to Mem 1865 No. 14